



KERR-McGEE CHEMICAL CORPORATION

KERR-McGEE CENTER • OKLAHOMA CITY, OKLAHOMA 73125

August 25, 1995

Mr. Joseph G. Klinger
Head, Licensing Section
Division of Radioactive Materials
Department of Nuclear Safety
1035 Outer Park Drive
Springfield IL 62704

Subject: Classification of Radioactive
Material at Lindsay Light II

Dear Mr. Klinger:

Kerr-McGee Chemical Corporation (KMCC) wishes to inform the Illinois Department of Nuclear Safety (IDNS) that additional information has been obtained which we believe supports reclassification of the materials associated with the Lindsay Light II site located at 316 East Illinois Street in Chicago, Illinois from "source" material to 11(e)2 "by-product" material.

The IDNS, in a letter dated August 27, 1993, to Mr. Rick Karl at Region 5 of the U.S. Environmental Protection Agency (EPA), recommended that the material at the 316 East Illinois location be classified as "source" material. In this letter the IDNS stated (1) that this classification was based on careful review of very limited information available at that time and (2) that the IDNS would inform the EPA if further information was obtained which altered this recommendation.

On December 9, 1993, Region 5 of the EPA, under Section 104(e) of CERCLA, requested KMCC to provide information concerning the Lindsay Light II site. In order to reply to this request, KMCC reviewed Lindsay Light Company records including board meeting minutes. This review has led us to the conclusion that a monazite processing operation was located on the Lindsay Light II site. Some excerpts and specific notations from Lindsay's meeting minutes (copies enclosed) follow:

a. September 8, 1914

The Board resolves to rent the building at 316-322 East Illinois Street from Chicago Dock & Canal Trust for manufacturing purposes for the period 1/1/15 through 4/30/20.

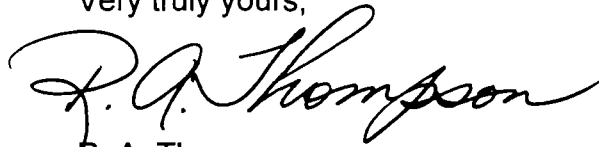
- b. September 9, 1922
The Chairman tells the board that the lease on the "monazite refinery" on Illinois Street expires on 4/30/23. (No minutes could be found which mentioned the renewal of the lease on the 316 East Illinois Street building after the original expiration date of 4/30/20).
- c. March 9, 1923
The Board resolved to renew the lease for the "chemical plant" at 316 E. Illinois Street for another year, through 4/30/24.
- d. March 18, 1924
The Board resolved to extend the lease on the "monazite plant" for another two years, through 4/30/26. (Presumed to be the building at 316 East Illinois Street, based on the expiration time for the previous lease and the fact that Lindsay "owned" the gas mantle plant and office facility at 161 East Grand Avenue).
- e. November 24, 1925
C. R. Lindsay, in a written report to the Board, discussed obtaining a contract for a by-product from Lindsay's Monazite Sand. He stated, "This will enable us to keep our Refinery going from now on at 100% increase in capacity for a year and a half. I therefore renewed our lease on the Illinois Street property for one year to May 1, 1927."
- f. July 18, 1929
"The question of securing a new lease for the Chemical Plant after the present one runs out which expires May 1931 was brought up by Mr. Lindsay, Jr., and thoroughly discussed by the Directors. It was finally moved by Mr. Beste, seconded by Mr. Stabenau, and unanimously passed that a new lease be secured not to exceed two years in duration."
- g. December 22, 1931
The Board discussed how to balance production between the West Chicago and Illinois Street plants. (They agreed to phase out production at the Illinois Street plant by transferring physical equipment to West Chicago).

Although some Board Meeting Notes were missing in the documents obtained from Chicago Dock & Canal Trust, KMCC feels that those summarized above and enclosed herewith provide sufficient proof that 316 E. Illinois Street housed Lindsay's monazite refinery. KMCC therefore requests that the IDNS reclassify the associated material from "source" to 11(e)2 "by-product" material and inform Region 5 of the EPA of this change.

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Please direct any questions concerning this request to me by calling (405) 270-2671 or by writing to me at the above address.

Very truly yours,

A handwritten signature in black ink, reading "R. A. Thompson". The signature is fluid and cursive, with the first name "R." and last name "Thompson" clearly legible.

R. A. Thompson
Project Manager

Enclosures

cc: C. R. Gardner, Chicago Dock & Canal Trust
R. A. Meserve, Covington & Burling
V. Simon, OSC, U.S. EPA
W. O. Green
M. S. Krippel
J. D. White
File CD 1.4-3